

BID TABULATION

CLA CR 338-0.00 Springfield Xenia Road PID 99510

Clark County Engineer's Department 4075 Laybourne Road, Springfield, Ohio 45505 937.521.1800

Bids Opened: 4/18/2019 at 10:00 AM

Base Bid Read: \$1,438,752.00

\$1,456,581.03

\$1,510,475.96

\$1,599,520.54

Ref. No.	Item No.	Item Ext.	Description	Est. Quantity	Units	ENGINEERS ESTIMATE		Brumbaugh Construction, Inc.		The Shelly Company		R. B. Jergens Constructos, Inc.		Barrett Paving Materials, Inc.	
						Bid Unit Price	Total Bid Price	Bid Unit Price	Total Bid Price	Bid Unit Price	Total Bid Price	Bid Unit Price	Total Bid Price	Bid Unit Price	Total Bid Price
Roadway															
1	201	11001	Clearing and Grubbing, As Per Plan	1.	lump	\$12,500.00	\$12,500.00	\$5,000.00	\$5,000.00	\$3,060.37	\$3,060.37	\$7,500.00	\$7,500.00	\$12,500.00	\$12,500.00
2	202	23000	Pavement Removed	474.	sy	\$20.00	\$9,480.00	\$6.00	\$2,844.00	\$20.40	\$9,669.60	\$9.70	\$4,597.80	\$15.00	\$7,110.00
3	202	38000	Guardrail Removed	802.	ft	\$2.00	\$1,604.00	\$4.00	\$3,208.00	\$6.12	\$4,908.24	\$2.10	\$1,684.20	\$6.00	\$4,812.00
4	202	75000	Fence Removed	45.	ft	\$5.00	\$225.00	\$10.00	\$450.00	\$5.10	\$229.50	\$5.50	\$247.50	\$5.00	\$225.00
5	203	10000	Excavation	632.	cy	\$20.00	\$12,640.00	\$15.00	\$9,480.00	\$20.40	\$12,892.80	\$22.50	\$14,220.00	\$29.00	\$18,328.00
6	203	20000	Embankment	336.	cy	\$15.00	\$5,040.00	\$15.00	\$5,040.00	\$20.40	\$6,854.40	\$10.50	\$3,528.00	\$22.00	\$7,392.00
7	203	98600	Roadway, Misc.: Special - Hydroexcavation, As Per Plan	5.	each	\$1,500.00	\$7,500.00	\$2,000.00	\$10,000.00	\$306.04	\$1,530.20	\$2,150.00	\$10,750.00	\$1,000.00	\$5,000.00
8	204	10000	Subgrade Compaction	1,062.	sy	\$2.00	\$2,124.00	\$2.25	\$2,389.50	\$5.10	\$5,416.20	\$2.55	\$2,708.10	\$4.75	\$5,044.50
9	204	45000	Proof Rolling	1.	hour	\$200.00	\$200.00	\$300.00	\$300.00	\$183.62	\$183.62	\$216.00	\$216.00	\$450.00	\$450.00
10	606	15050	Guardrail, Type MGS	150.	ft	\$16.00	\$2,400.00	\$17.50	\$2,625.00	\$22.44	\$3,366.00	\$20.50	\$3,075.00	\$22.00	\$3,300.00
11	606	15100	Guardrail, Type MGS With Long Posts	300.	ft	\$18.00	\$5,400.00	\$18.50	\$5,550.00	\$23.46	\$7,038.00	\$23.30	\$6,990.00	\$23.00	\$6,900.00
12	606	26150	Anchor Assembly, MGS Type E	4.	each	\$2,000.00	\$8,000.00	\$2,200.00	\$8,800.00	\$2,397.29	\$9,589.16	\$2,514.00	\$10,056.00	\$2,350.00	\$9,400.00
13	606	35002	MGS Bridge Terminal Assembly, Type 1	4.	each	\$2,000.00	\$8,000.00	\$1,850.00	\$7,400.00	\$1,963.74	\$7,854.96	\$2,277.00	\$9,108.00	\$1,925.00	\$7,700.00
14	609	24510	Curb, Type 4-C	75.	ft	\$40.00	\$3,000.00	\$32.00	\$2,400.00	\$38.76	\$2,907.00	\$56.70	\$4,252.50	\$92.00	\$6,900.00
15	Special	69050350	Mailbox Removed and Reset	90.	each	\$160.00	\$14,400.00	\$250.00	\$22,500.00	\$200.00	\$18,000.00	\$181.50	\$16,335.00	\$180.00	\$16,200.00
16	Special	69098000	Pavement Planing, Butt Joints (Drives)	60.	each	\$200.00	\$12,000.00	\$190.00	\$11,400.00	\$190.00	\$11,400.00	\$212.00	\$12,720.00	\$275.00	\$16,500.00
						Subtotal	\$104,513.00	Subtotal	\$99,386.50	Subtotal	\$104,900.05	Subtotal	\$107,988.10	Subtotal	\$127,761.50
Erosion Control															
17	601	32104	Rock Channel Protection, Type B with Geotextile Fabric	6.	cy	\$120.00	\$720.00	\$100.00	\$600.00	\$163.22	\$979.32	\$95.00	\$570.00	\$215.00	\$1,290.00
18	659	00300	Topsoil	157.	cy	\$50.00	\$7,850.00	\$42.00	\$6,594.00	\$32.64	\$5,124.48	\$44.00	\$6,908.00	\$41.00	\$6,437.00
19	659	10000	Seeding and Mulching	1,410.	sy	\$2.50	\$3,525.00	\$2.50	\$3,525.00	\$1.73	\$2,439.30	\$2.20	\$3,102.00	\$2.50	\$3,525.00
20	659	14000	Repair Seeding and Mulching	71.	sy	\$2.50	\$177.50	\$0.25	\$17.75	\$1.73	\$122.83	\$2.20	\$156.20	\$2.50	\$177.50
21	659	20000	Commercial Fertilizer	0.19	ton	\$1,000.00	\$190.00	\$1,000.00	\$190.00	\$688.63	\$130.84	\$440.00	\$83.60	\$750.00	\$142.50
22	659	31000	Lime	0.29	acre	\$150.00	\$43.50	\$100.00	\$29.00	\$20.41	\$5.92	\$110.00	\$31.90	\$100.00	\$29.00
23	659	35000	Water	8.	mgal	\$10.00	\$80.00	\$10.00	\$80.00	\$20.40	\$163.20	\$11.00	\$88.00	\$50.00	\$400.00
24	832	30001	Erosion Control, As Per Plan	1.	lump	\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00
						Subtotal	\$15,586.00	Subtotal	\$14,035.75	Subtotal	\$11,965.89	Subtotal	\$13,939.70	Subtotal	\$15,001.00
Drainage															
25	605	31100	Aggregate Drains	86.	ft	\$13.59	\$1,168.74	\$12.00	\$1,032.00	\$25.50	\$2,193.00	\$20.00	\$1,720.00	\$18.00	\$1,548.00
26	611	99654	Manhole Adjusted to Grade	10.	each	\$504.47	\$5,044.70	\$350.00	\$3,500.00	\$1,020.12	\$10,201.20	\$500.00	\$5,000.00	\$460.00	\$4,600.00
						Subtotal	\$6,213.44	Subtotal	\$4,532.00	Subtotal	\$12,394.20	Subtotal	\$6,720.00	Subtotal	\$6,148.00
Pavement															
27	254	01000	Pavement Planing, Asphalt Concrete (1 1/2")	37,010.	sy	\$2.00	\$74,020.00	\$1.60	\$59,216.00	\$1.50	\$55,515.00	\$1.65	\$61,066.50	\$2.00	\$74,020.00
28	301	46000	Asphalt Concrete Base, PG64-22	139.	cy	\$180.00	\$25,020.00	\$178.00	\$24,742.00	\$165.00	\$22,935.00	\$185.50	\$25,784.50	\$225.00	\$31,275.00
29	304	20000	Aggregate Base	170.	cy	\$60.00	\$10,200.00	\$50.00	\$8,500.00	\$86.71	\$14,740.70	\$46.20	\$7,854.00	\$69.00	\$11,730.00
30	407	20000	Non-Tracking Tack Coat	6,280.	gal	\$4.00	\$25,120.00	\$2.50	\$15,700.00	\$2.50	\$15,700.00	\$2.80	\$17,584.00	\$3.25	\$20,410.00
31	411	10000	Stabilized Crushed Aggregate	40.	cy	\$70.00	\$2,800.00	\$65.00	\$2,600.00	\$86.71	\$3,468.40	\$49.30	\$1,972.00	\$80.00	\$3,200.00
32	441	50100	Asphalt Concrete Surface Course, Type 1, (448), PG70-22M	1,466.	cy	\$170.00	\$249,220.00	\$178.00	\$260,948.00	\$165.00	\$241,890.00	\$184.00	\$269,744.00	\$169.00	\$247,754.00
33	441	50200	Asphalt Concrete Intermediate Course, Type 1, (448)	716.	cy	\$150.00	\$107,400.00	\$168.00	\$120,288.00	\$155.00	\$110,980.00	\$173.00	\$123,868.00	\$130.00	\$93,080.00
34	441	50300	Asphalt Concrete Intermediate Course, Type 2, (448)	40.	cy	\$200.00	\$8,000.00	\$168.00	\$6,720.00	\$155.00	\$6,200.00	\$173.00	\$6,920.00	\$350.00	\$14,000.00

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						Bid Unit Price	Total Bid Price	Bid Unit Price	Total Bid Price	Bid Unit Price	Total Bid Price	Bid Unit Price	Total Bid Price	Bid Unit Price	Total Bid Price
35	441	50400	Asphalt Concrete Surface Course, Type 1, (448), (Driveways)	182.	cy	\$300.00	\$54,600.00	\$257.00	\$46,774.00	\$240.00	\$43,680.00	\$268.00	\$48,776.00	\$300.00	\$54,600.00
36	617	10101	Compacted Aggregate, As Per Plan	430.	cy	\$70.00	\$30,100.00	\$78.00	\$33,540.00	\$70.00	\$30,100.00	\$73.50	\$31,605.00	\$77.00	\$33,110.00
37	617	20001	Shoulder Preparation, As Per Plan	10,000.	sy	\$1.50	\$15,000.00	\$1.55	\$15,500.00	\$1.40	\$14,000.00	\$1.65	\$16,500.00	\$1.50	\$15,000.00
						Subtotal	\$601,480.00	Subtotal	\$594,528.00	Subtotal	\$559,209.10	Subtotal	\$611,674.00	Subtotal	\$598,179.00
Traffic Control															
38	621	00100	RPM	214.	each	\$30.00	\$6,420.00	\$24.80	\$5,307.20	\$29.03	\$6,212.42	\$27.30	\$5,842.20	\$29.50	\$6,313.00
39	626	00110	Barrier Reflector, Type 2, Bi-Directional	11.	each	\$10.00	\$110.00	\$10.00	\$110.00	\$14.28	\$157.08	\$7.70	\$84.70	\$14.00	\$154.00
40	630	02100	Ground Mounted Support, No. 2 Post	358.5	ft	\$9.00	\$3,226.50	\$9.00	\$3,226.50	\$8.16	\$2,925.36	\$9.90	\$3,549.15	\$8.00	\$2,868.00
41	630	03100	Ground Mounted Support, No. 3 Post	247.	ft	\$10.00	\$2,470.00	\$10.00	\$2,470.00	\$9.18	\$2,267.46	\$11.00	\$2,717.00	\$9.00	\$2,223.00
42	630	08520	Street Name Sign Support, No. 3 Post	20.	ft	\$12.00	\$240.00	\$11.00	\$220.00	\$11.22	\$224.40	\$12.10	\$242.00	\$11.00	\$220.00
43	630	08600	Sign Post Reflector	14.	each	\$40.00	\$560.00	\$40.00	\$560.00	\$71.41	\$999.74	\$44.00	\$616.00	\$70.00	\$980.00
44	630	75000	Sign Attachment Assembly	3.	each	\$440.00	\$1,320.00	\$45.00	\$135.00	\$55.60	\$166.80	\$49.50	\$148.50	\$54.50	\$163.50
45	630	79000	Sign Hanger Assembly, Span Wire	4.	each	\$250.00	\$1,000.00	\$275.00	\$1,100.00	\$137.72	\$550.88	\$302.50	\$1,210.00	\$135.00	\$540.00
46	630	79500	Sign Support Assembly, Pole Mounted	5.	each	\$100.00	\$500.00	\$105.00	\$525.00	\$8.16	\$40.80	\$115.50	\$577.50	\$8.00	\$40.00
47	630	80100	Sign, Flat Sheet	423.5	sf	\$15.00	\$6,352.50	\$19.50	\$8,258.25	\$15.30	\$6,479.55	\$21.50	\$9,105.25	\$15.00	\$6,352.50
48	630	80500	Sign, Double Faced, Street Name	14.	each	\$115.00	\$1,610.00	\$62.50	\$875.00	\$143.84	\$2,013.76	\$68.80	\$963.20	\$141.00	\$1,974.00
49	630	85000	Removal of Ground Mounted Sign and Storage	68.	each	\$16.00	\$1,088.00	\$15.00	\$1,020.00	\$35.70	\$2,427.60	\$16.50	\$1,122.00	\$35.00	\$2,380.00
50	630	85100	Removal of Ground Mounted Sign and Reerection	1.	each	\$75.00	\$75.00	\$65.00	\$65.00	\$25.50	\$25.50	\$71.50	\$71.50	\$25.00	\$25.00
51	630	86002	Removal of Ground Mounted Post Support and Disposal	64.	each	\$12.00	\$768.00	\$20.00	\$1,280.00	\$30.60	\$1,958.40	\$22.00	\$1,408.00	\$30.00	\$1,920.00
52	630	87510	Removal of Pole Mounted Sign and Storage	5.	each	\$20.00	\$100.00	\$15.00	\$75.00	\$20.40	\$102.00	\$16.50	\$82.50	\$20.00	\$100.00
53	643	00100	Edge Line, 4"	4.17	mile	\$2,500.00	\$10,425.00	\$2,288.00	\$9,540.96	\$2,334.04	\$9,732.95	\$2,416.00	\$10,074.72	\$2,288.00	\$9,540.96
54	643	00300	Center Line	2.12	mile	\$3,000.00	\$6,360.00	\$2,748.00	\$5,825.76	\$2,803.30	\$5,943.00	\$3,586.00	\$7,602.32	\$2,748.00	\$5,825.76
55	643	00400	Channelizing Line, 8"	536.	ft	\$1.00	\$536.00	\$0.92	\$493.12	\$0.94	\$503.84	\$1.85	\$991.60	\$0.92	\$493.12
56	643	00500	Stop Line	162.	ft	\$3.00	\$486.00	\$5.00	\$810.00	\$5.10	\$826.20	\$11.60	\$1,879.20	\$5.00	\$810.00
57	643	00600	Crosswalk Line	451.	ft	\$2.00	\$902.00	\$3.00	\$1,353.00	\$3.06	\$1,380.06	\$7.25	\$3,269.75	\$3.00	\$1,353.00
58	643	01120	School Symbol Marking, 120"	2.	each	\$300.00	\$600.00	\$409.00	\$818.00	\$417.23	\$834.46	\$925.50	\$1,851.00	\$409.00	\$818.00
59	643	01300	Lane Arrow	8.	each	\$50.00	\$400.00	\$90.00	\$720.00	\$91.81	\$734.48	\$257.00	\$2,056.00	\$90.00	\$720.00
60	643	01500	Dotted Line, 4"	95.	ft	\$1.00	\$95.00	\$2.50	\$237.50	\$2.55	\$242.25	\$6.45	\$612.75	\$2.50	\$237.50
61	643	01602	Bike Lane Symbol Marking	2.	each	\$200.00	\$400.00	\$300.00	\$600.00	\$306.04	\$612.08	\$321.50	\$643.00	\$300.00	\$600.00
62	644	01620	Bike Crossing Symbol	2.	each	\$200.00	\$400.00	\$300.00	\$600.00	\$306.04	\$612.08	\$707.00	\$1,414.00	\$300.00	\$600.00
						Subtotal	\$46,444.00	Subtotal	\$46,225.29	Subtotal	\$47,973.15	Subtotal	\$58,133.84	Subtotal	\$47,251.34
Traffic Signals															
63	625	25400	Conduit, 2", 725.04	45.	ft	\$16.00	\$720.00	\$9.00	\$405.00	\$16.37	\$736.65	\$9.20	\$414.00	\$24.60	\$1,107.00
64	625	25500	Conduit, 3", 725.04	66.	ft	\$26.00	\$1,716.00	\$18.00	\$1,188.00	\$24.93	\$1,645.38	\$18.50	\$1,221.00	\$27.25	\$1,798.50
65	625	29000	Trench	75.	ft	\$9.00	\$675.00	\$10.50	\$787.50	\$8.63	\$647.25	\$10.80	\$810.00	\$18.20	\$1,365.00
66	625	30706	Pull Box, 725.08, 24"	2.	each	\$925.00	\$1,850.00	\$1,000.00	\$2,000.00	\$856.65	\$1,713.30	\$984.50	\$1,969.00	\$1,071.00	\$2,142.00
67	625	32000	Ground Rod	10.	each	\$200.00	\$2,000.00	\$250.00	\$2,500.00	\$159.90	\$1,599.00	\$257.50	\$2,575.00	\$267.60	\$2,676.00
68	625	36000	Plastic Caution Tape	150.	ft	\$0.50	\$75.00	\$0.16	\$24.00	\$0.28	\$42.00	\$0.18	\$27.00	\$1.30	\$195.00
69	632	05007	Vehicular Signal Head, (LED), 3-Section, 12" Lens, 1-Way, Polycarbonate, As Per Plan (with Backplate)	8.	each	\$800.00	\$6,400.00	\$920.00	\$7,360.00	\$839.46	\$6,715.68	\$938.50	\$7,508.00	\$799.25	\$6,394.00
70	632	20731	Pedestrian Signal Head (LED), Type D2, Countdown, As Per Plan	8.	each	\$525.00	\$4,200.00	\$550.00	\$4,400.00	\$505.16	\$4,041.28	\$561.00	\$4,488.00	\$572.30	\$4,578.40
71	632	25000	Covering of Vehicular Signal Head	8.	each	\$50.00	\$400.00	\$28.00	\$224.00	\$31.96	\$255.68	\$28.60	\$228.80	\$6.85	\$54.80
72	632	25010	Covering of Pedestrian Signal Head	8.	each	\$45.00	\$360.00	\$28.00	\$224.00	\$25.53	\$204.24	\$28.60	\$228.80	\$6.85	\$54.80
73	632	26000	Pedestrian Pushbutton	8.	each	\$275.00	\$2,200.00	\$195.00	\$1,560.00	\$265.08	\$2,120.64	\$200.50	\$1,604.00	\$188.00	\$1,504.00
74	632	26500	Detector Loop	6.	each	\$1,200.00	\$7,200.00	\$1,100.00	\$6,600.00	\$1,364.41	\$8,186.46	\$1,116.00	\$6,696.00	\$1,224.00	\$7,344.00
75	632	30200	Messenger Wire, 7 Strand, 3/8" Diameter with Accessories	250.	ft	\$12.50	\$3,125.00	\$13.00	\$3,250.00	\$6.37	\$1,592.50	\$13.20	\$3,300.00	\$15.00	\$3,750.00

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76	632	30600	Tether Wire, with Accessories	250.	ft	\$13.00	\$3,250.00	\$12.25	\$3,062.50	\$6.40	\$1,600.00	\$12.60	\$3,150.00	\$15.00	\$3,750.00
77	632	40500	Signal Cable, 5 Conductor, No. 14 AWG	2,502.	ft	\$3.00	\$7,506.00	\$1.85	\$4,628.70	\$2.05	\$5,129.10	\$1.90	\$4,753.80	\$2.05	\$5,129.10
78	632	40700	Signal Cable, 7 Conductor, No. 14 AWG	613.	ft	\$3.00	\$1,839.00	\$2.00	\$1,226.00	\$2.58	\$1,581.54	\$2.05	\$1,256.65	\$2.30	\$1,409.90
79	632	64001	Strain Pole Foundation, As Per Plan	4.	each	\$3,400.00	\$13,600.00	\$3,675.00	\$14,700.00	\$2,945.60	\$11,782.40	\$3,783.00	\$15,132.00	\$4,043.00	\$16,172.00
80	632	64020	Pedestal Foundation	4.	each	\$1,000.00	\$4,000.00	\$1,106.00	\$4,424.00	\$1,094.34	\$4,377.36	\$1,139.00	\$4,556.00	\$1,025.00	\$4,100.00
81	632	69500	Service Cable, 2 Conductor, No. 6 AWG	75.	ft	\$3.00	\$225.00	\$2.50	\$187.50	\$3.34	\$250.50	\$2.50	\$187.50	\$3.70	\$277.50
82	632	70000	Power Service	1.	each	\$2,500.00	\$2,500.00	\$2,780.00	\$2,780.00	\$2,012.70	\$2,012.70	\$2,861.00	\$2,861.00	\$2,545.00	\$2,545.00
83	632	82700	Strain Pole, Type TC-81.10, Design 7	4.	each	\$5,000.00	\$20,000.00	\$4,131.00	\$16,524.00	\$5,688.00	\$22,752.00	\$4,252.00	\$17,008.00	\$4,125.00	\$16,500.00
84	632	89904	Pedestal, 10', Transformer Base	4.	each	\$700.00	\$2,800.00	\$706.00	\$2,824.00	\$633.85	\$2,535.40	\$727.00	\$2,908.00	\$610.00	\$2,440.00
85	632	90100	Removal of Traffic Signal Installation	1.	each	\$3,000.00	\$3,000.00	\$3,600.00	\$3,600.00	\$2,853.79	\$2,853.79	\$3,663.00	\$3,663.00	\$3,525.00	\$3,525.00
86	633	01551	Controller Unit, Type TS2/A2, With Cabinet, Type TS2, As Per Plan	1.	each	\$11,000.00	\$11,000.00	\$11,850.00	\$11,850.00	\$13,012.07	\$13,012.07	\$12,190.00	\$12,190.00	\$11,655.00	\$11,655.00
87	633	67100	Cabinet Foundation	1.	each	\$1,500.00	\$1,500.00	\$78.00	\$78.00	\$1,481.73	\$1,481.73	\$801.00	\$801.00	\$1,560.00	\$1,560.00
88	633	67200	Controller Work Pad	1.	each	\$350.00	\$350.00	\$490.00	\$490.00	\$497.31	\$497.31	\$503.50	\$503.50	\$865.00	\$865.00
89	633	67310	Preemption Receiving Unit	4.	each	\$750.00	\$3,000.00	\$670.00	\$2,680.00	\$1,340.70	\$5,362.80	\$698.00	\$2,792.00	\$835.00	\$3,340.00
90	633	67320	Preemption Detector Cable	546.	ft	\$2.00	\$1,092.00	\$2.00	\$1,092.00	\$3.10	\$1,692.60	\$1.95	\$1,064.70	\$2.85	\$1,556.10
91	633	67350	Preemption Phase Selector	1.	each	\$3,000.00	\$3,000.00	\$2,625.00	\$2,625.00	\$3,801.23	\$3,801.23	\$2,701.00	\$2,701.00	\$3,685.00	\$3,685.00
92	633	75001	Uninterruptible Power Supply (UPS), 1000 Watt, As Per Plan	1.	each	\$5,000.00	\$5,000.00	\$6,200.00	\$6,200.00	\$5,543.60	\$5,543.60	\$6,347.00	\$6,347.00	\$5,745.00	\$5,745.00
93	809	69000	Advance Radar Detection	2.	each	\$7,000.00	\$14,000.00	\$8,285.00	\$16,570.00	\$7,699.37	\$15,398.74	\$8,528.00	\$17,056.00	\$7,555.00	\$15,110.00
94	809	69100	Stop Line Radar Detection	4.	each	\$6,500.00	\$26,000.00	\$7,770.00	\$31,080.00	\$6,898.58	\$27,594.32	\$7,874.00	\$31,496.00	\$6,955.00	\$27,820.00
						Subtotal	\$154,583.00	Subtotal	\$157,144.20	Subtotal	\$158,759.25	Subtotal	\$161,496.75	Subtotal	\$160,148.10
Structure Over 20 Foot Span (CLA-338-0200)															
95	202	11203	Portions of Structure Removed, Over 20 Foot Span, As Per Plan	1.	lump	\$40,000.00	\$40,000.00	\$49,000.00	\$49,000.00	\$51,006.10	\$51,006.10	\$46,500.00	\$46,500.00	\$50,000.00	\$50,000.00
96	202	22900	Approach Slab Removed	93.	sy	\$45.00	\$4,185.00	\$46.00	\$4,278.00	\$51.01	\$4,743.93	\$27.70	\$2,576.10	\$50.00	\$4,650.00
97	202	23500	Wearing Course Removed	211.	sy	\$9.00	\$1,899.00	\$7.00	\$1,477.00	\$10.20	\$2,152.20	\$4.35	\$917.85	\$10.00	\$2,110.00
98	503	21300	Unclassified Excavation	1.	lump	\$10,000.00	\$10,000.00	\$7,000.00	\$7,000.00	\$12,241.46	\$12,241.46	\$9,150.00	\$9,150.00	\$12,000.00	\$12,000.00
99	509	10000	Epoxy Coated Reinforcing Steel	27,418.	lb	\$1.50	\$41,127.00	\$1.50	\$41,127.00	\$1.22	\$33,449.96	\$1.25	\$34,272.50	\$1.20	\$32,901.60
100	510	10000	Dowel Holes with Nonshrink, Nonmetallic Grout	400.	each	\$16.00	\$6,400.00	\$29.00	\$11,600.00	\$19.38	\$7,752.00	\$11.40	\$4,560.00	\$19.00	\$7,600.00
101	511	21520	Class QC2 Concrete, Superstructure	79.	cy	\$950.00	\$75,050.00	\$950.00	\$75,050.00	\$1,122.13	\$88,648.27	\$1,148.00	\$90,692.00	\$1,100.00	\$86,900.00
102	511	45710	Class QC1 Concrete, Abutment	49.	cy	\$700.00	\$34,300.00	\$700.00	\$34,300.00	\$979.32	\$47,986.68	\$477.50	\$23,397.50	\$960.00	\$47,040.00
103	512	10100	Sealing of Concrete Surfaces (Epoxy-Urethane)	487.	sy	\$20.00	\$9,740.00	\$20.00	\$9,740.00	\$18.36	\$8,941.32	\$14.00	\$6,818.00	\$38.00	\$18,506.00
104	513	10241	Structural Steel Members, Level 2, As Per Plan	35,500.	lb	\$2.25	\$79,875.00	\$2.50	\$88,750.00	\$2.04	\$72,420.00	\$2.00	\$71,000.00	\$2.00	\$71,000.00
105	513	20000	Welded Stud Shear Connectors	1,368.	each	\$5.00	\$6,840.00	\$3.30	\$4,514.40	\$3.37	\$4,610.16	\$3.85	\$5,266.80	\$3.30	\$4,514.40
106	516	13900	2" Preformed Expansion Joint Filler	42.	sf	\$12.00	\$504.00	\$12.00	\$504.00	\$15.30	\$642.60	\$7.50	\$315.00	\$15.00	\$630.00
107	516	14020	Semi-Integral Abutment Expansion Joint Seal	128.	ft	\$50.00	\$6,400.00	\$12.00	\$1,536.00	\$24.48	\$3,133.44	\$30.30	\$3,878.40	\$74.00	\$9,472.00
108	516	44100	Elastomeric Bearing with Internal Laminates and Load Plate (Neoprene) (10"X15"X2.4985") and (11"X16"X1.50")	12.	each	\$1,500.00	\$18,000.00	\$1,200.00	\$14,400.00	\$2,040.24	\$24,482.88	\$1,021.00	\$12,252.00	\$2,000.00	\$24,000.00
109	517	70000	Railing (Twin Steel Tube)	84.83	ft	\$200.00	\$16,966.00	\$200.00	\$16,966.00	\$229.53	\$19,471.03	\$154.00	\$13,063.82	\$220.00	\$18,662.60
110	518	21200	Porous Backfill with Geotextile Fabric	55.	cy	\$90.00	\$4,950.00	\$90.00	\$4,950.00	\$86.71	\$4,769.05	\$72.00	\$3,960.00	\$85.00	\$4,675.00
111	Special	51822300	Steel Drip Strip	86.	ft	\$14.00	\$1,204.00	\$14.00	\$1,204.00	\$17.34	\$1,491.24	\$17.60	\$1,513.60	\$17.00	\$1,462.00
112	519	11101	Patching Concrete Structures, As Per Plan	75.	sf	\$130.00	\$9,750.00	\$90.00	\$6,750.00	\$142.82	\$10,711.50	\$135.00	\$10,125.00	\$140.00	\$10,500.00
113	526	10000	Reinforced Concrete Approach Slabs (T=12")	147.	sy	\$220.00	\$32,340.00	\$210.00	\$30,870.00	\$229.53	\$33,740.91	\$214.00	\$31,458.00	\$225.00	\$33,075.00
114	526	90010	Type A Installation	108.	ft	\$180.00	\$19,440.00	\$102.00	\$11,016.00	\$183.62	\$19,830.96	\$119.00	\$12,852.00	\$180.00	\$19,440.00
						Subtotal	\$418,970.00	Subtotal	\$415,032.40	Subtotal	\$452,225.69	Subtotal	\$384,568.57	Subtotal	\$459,138.60

Ref. No.	Item No.	Item Ext.	Description	Est. Quantity	Units	ENGINEERS ESTIMATE		Brumbaugh Construction, Inc.		The Shelly Company		R. B. Jergens Constructos, Inc.		Barrett Paving Materials, Inc.	
						Bid Unit Price	Total Bid Price	Bid Unit Price	Total Bid Price	Bid Unit Price	Total Bid Price	Bid Unit Price	Total Bid Price	Bid Unit Price	Total Bid Price
Maintenance of Traffic															
115	614	11110	Law Enforcement Officer with Patrol Car for Assistance	40.	hour	\$75.00	\$3,000.00	\$70.00	\$2,800.00	\$61.21	\$2,448.40	\$77.00	\$3,080.00	\$80.00	\$3,200.00
116	614	12421	Detour Signing, As Per Plan	1.	lump	\$20,000.00	\$20,000.00	\$13,000.00	\$13,000.00	\$4,590.55	\$4,590.55	\$4,500.00	\$4,500.00	\$4,469.00	\$4,469.00
117	614	21500	Work Zone Center Line, Class II, 642 Paint	4.	mile	\$650.00	\$2,600.00	\$1,018.00	\$4,072.00	\$1,038.49	\$4,153.96	\$366.50	\$1,466.00	\$1,018.00	\$4,072.00
118	614	22350	Work Zone Edge Line, Class III, 4", 642 Paint	8.	mile	\$700.00	\$5,600.00	\$509.00	\$4,072.00	\$519.24	\$4,153.92	\$514.00	\$4,112.00	\$509.00	\$4,072.00
119	614	23660	Work Zone Channelizing Line, Class II, 8", 642 Paint	1,080.	ft	\$0.50	\$540.00	\$0.50	\$540.00	\$0.51	\$550.80	\$0.71	\$766.80	\$0.50	\$540.00
120	614	26610	Work Zone Stop Line, Class III, 642 Paint	325.	ft	\$2.50	\$812.50	\$4.00	\$1,300.00	\$4.08	\$1,326.00	\$3.20	\$1,040.00	\$4.00	\$1,300.00
121	614	27620	Work Zone Crosswalk Line, Class III, 642 Paint	900.	ft	\$1.50	\$1,350.00	\$2.00	\$1,800.00	\$2.04	\$1,836.00	\$2.55	\$2,295.00	\$2.00	\$1,800.00
122	614	30650	Work Zone Arrow, Class III, 642 Paint	16.	each	\$45.00	\$720.00	\$40.00	\$640.00	\$40.81	\$652.96	\$70.70	\$1,131.20	\$40.00	\$640.00
123	614	31770	Work Zone School Symbol Marking, 120", Class III, 642 Paint	4.	each	\$200.00	\$800.00	\$200.00	\$800.00	\$204.03	\$816.12	\$578.50	\$2,314.00	\$200.00	\$800.00
124	616	10000	Water	5.	mgal	\$25.00	\$125.00	\$10.00	\$50.00	\$25.00	\$125.00	\$150.00	\$750.00	\$100.00	\$500.00
						Subtotal	\$35,547.50	Subtotal	\$29,074.00	Subtotal	\$20,653.71	Subtotal	\$21,455.00	Subtotal	\$21,393.00
Incidentals															
125	103	05000	Premium for Contract Performance Bond and for Payment Bond	1.	lump	\$15,000.00	\$15,000.00	\$19,055.00	\$19,055.00	\$7,500.00	\$7,500.00	\$15,000.00	\$15,000.00	\$13,000.00	\$13,000.00
126	614	11000	Maintaining Traffic	1.	lump	\$30,000.00	\$30,000.00	\$28,411.86	\$28,411.86	\$15,000.00	\$15,000.00	\$10,000.00	\$10,000.00	\$97,500.00	\$97,500.00
127	619	16000	Field Office, Type A	4.	mnth	\$1,207.08	\$4,828.32	\$1,000.00	\$4,000.00	\$1,500.00	\$6,000.00	\$1,500.00	\$6,000.00	\$1,000.00	\$4,000.00
128	623	10000	Construction Layout Stakes and Surveying	1.	lump	\$15,000.00	\$15,000.00	\$5,653.00	\$5,653.00	\$5,000.00	\$5,000.00	\$13,500.00	\$13,500.00	\$1,000.00	\$1,000.00
129	624	10000	Mobilization	1.	lump	\$40,000.00	\$40,000.00	\$21,674.00	\$21,674.00	\$55,000.00	\$55,000.00	\$100,000.00	\$100,000.00	\$40,000.00	\$40,000.00
						Subtotal	\$104,828.32	Subtotal	\$78,793.86	Subtotal	\$88,500.00	Subtotal	\$144,500.00	Subtotal	\$155,500.00
Base Bid							\$1,488,165.26		\$1,438,752.00		\$1,456,581.04		\$1,510,475.96		\$1,590,520.54
						3%	Contingency	\$44,644.96							
Base Bid and Contingency							\$1,532,810.22		\$1,438,752.00		\$1,456,581.04		\$1,510,475.96		\$1,590,520.54
Alternate No. 1															
130	203	10000	Excavation	1,230.	cy	\$25.00	\$30,750.00	\$26.75	\$32,902.50	\$25.50	\$31,365.00	\$27.70	\$34,071.00	\$43.00	\$52,890.00
131	204	10000	Subgrade Compaction	10,798.	sy	\$1.20	\$12,957.60	\$0.26	\$2,807.48	\$0.25	\$2,699.50	\$0.30	\$3,239.40	\$1.00	\$10,798.00
132	659	00300	Topsoil	177.	cy	\$40.00	\$7,080.00	\$55.00	\$9,735.00	\$115.00	\$20,355.00	\$44.00	\$7,788.00	\$41.00	\$7,257.00
133	659	10000	Seeding and Mulching	1,596.	sy	\$2.50	\$3,990.00	\$2.25	\$3,591.00	\$1.73	\$2,761.08	\$2.20	\$3,511.20	\$2.50	\$3,990.00
134	659	14000	Repair Seeding and Mulching	80.	sy	\$2.00	\$160.00	\$2.25	\$180.00	\$1.73	\$138.40	\$2.20	\$176.00	\$2.50	\$200.00
135	659	20000	Commercial Fertilizer	0.22	ton	\$1,000.00	\$220.00	\$800.00	\$176.00	\$688.59	\$151.49	\$440.00	\$96.80	\$750.00	\$165.00
136	659	31000	Lime	0.33	acre	\$150.00	\$49.50	\$100.00	\$33.00	\$20.39	\$6.73	\$110.00	\$36.30	\$100.00	\$33.00
137	659	35000	Water	9.	mgal	\$10.00	\$90.00	\$10.00	\$90.00	\$20.40	\$183.60	\$11.00	\$99.00	\$50.00	\$450.00
138	301	46000	Asphalt Concrete Base, PG64-22	739.	cy	\$160.00	\$118,240.00	\$141.00	\$104,199.00	\$134.00	\$99,026.00	\$142.00	\$104,938.00	\$158.00	\$116,762.00
139	407	20000	Non-Tracking Tack Coat	997.	gal	\$3.00	\$2,991.00	\$2.50	\$2,492.50	\$2.50	\$2,492.50	\$2.80	\$2,791.60	\$3.25	\$3,240.25
140	411	10001	Stabilized Crushed Aggregate, As Per Plan	185.	cy	\$60.00	\$11,100.00	\$62.00	\$11,470.00	\$60.00	\$11,100.00	\$63.00	\$11,655.00	\$55.00	\$10,175.00
141	441	50100	Asphalt Concrete Surface Course, Type 1, (448), PG70-22M	347.	cy	\$170.00	\$58,990.00	\$173.25	\$60,117.75	\$165.00	\$57,255.00	\$184.00	\$63,848.00	\$199.00	\$69,053.00

Ref. No.	Item No.	Item Ext.	Description	Est. Quantity	Units	ENGINEERS ESTIMATE		Brumbaugh Construction, Inc.		The Shelly Company		R. B. Jergens Constructos, Inc.		Barrett Paving Materials, Inc.	
						Bid Unit Price	Total Bid Price	Bid Unit Price	Total Bid Price	Bid Unit Price	Total Bid Price	Bid Unit Price	Total Bid Price	Bid Unit Price	Total Bid Price
142	441	50200	Asphalt Concrete Intermediate Course, Type 1, (448)	174.	cy	\$160.00	\$27,840.00	\$162.75	\$28,318.50	\$155.00	\$26,970.00	\$173.00	\$30,102.00	\$130.00	\$22,620.00
Alternate No. 1							\$274,458.10		\$256,112.73		\$254,504.30		\$262,352.30		\$297,633.25
Alternate No. 2															
143	407	20000	Tack Coat, As Per Plan	4,685.	gal	\$3.00	\$14,055.00	\$3.18	\$14,898.30	\$3.06	\$14,336.10	\$3.30	\$15,460.50	\$3.00	\$14,055.00
144	Special	69012060	Pavement Overlay Fabric Composite	31,344.	sy	\$5.00	\$156,720.00	\$5.05	\$158,287.20	\$5.00	\$156,720.00	\$5.30	\$166,123.20	\$4.80	\$150,451.20
Alternate No. 2							\$170,775.00		\$173,185.50		\$171,056.10		\$181,583.70		\$164,506.20
Alternate No. 2 Material Option															
145	Special	69012060	Pavement Overlay Fabric Composite Glaspave 50, As Per Plan	31,344.	sy	\$5.50	\$172,392.00	\$5.05	\$158,287.20	\$5.00	\$156,720.00	\$5.70	\$178,660.80	\$4.80	\$150,451.20
Add Item 145							\$172,392.00		\$158,287.20		\$156,720.00		\$178,660.80		\$150,451.20
Deduct Item 144							-\$156,720.00		-\$158,287.20		-\$156,720.00		-\$166,123.20		-\$150,451.20
Subtotal							\$15,672.00		\$0.00		\$0.00		\$12,537.60		\$0.00
Alternate No. 2 Material Option							\$186,447.00		\$173,185.50		\$171,056.10		\$194,121.30		\$164,506.20
Alternate No. 3															
146	630	97700	Signing, Misc.: Solar Powered Rectangular Rapid Flashing Beacon (RRFB) Sign Assembly	2.	each	\$7,500.00	\$15,000.00	\$13,644.00	\$27,288.00	\$6,200.00	\$12,400.00	\$14,197.00	\$28,394.00	\$13,610.00	\$27,220.00
Alternate No. 3							\$15,000.00		\$27,288.00		\$12,400.00		\$28,394.00		\$27,220.00
Base Bid, Alternate 1							\$1,807,268.32		\$1,694,864.73		\$1,711,085.34		\$1,772,828.26		\$1,888,153.79
Base Bid, Alternate 1, Alternate 2, Alternate 3							\$1,993,043.32		\$1,895,338.23		\$1,894,541.44		\$1,982,805.96		\$2,079,879.99
Base Bid, Alternate 1, Alternate 2 Material Option, Alternate 3							\$2,008,715.32		\$1,895,338.23		\$1,894,541.44		\$1,995,343.56		\$2,079,879.99